

FIG. 1 Prior Art

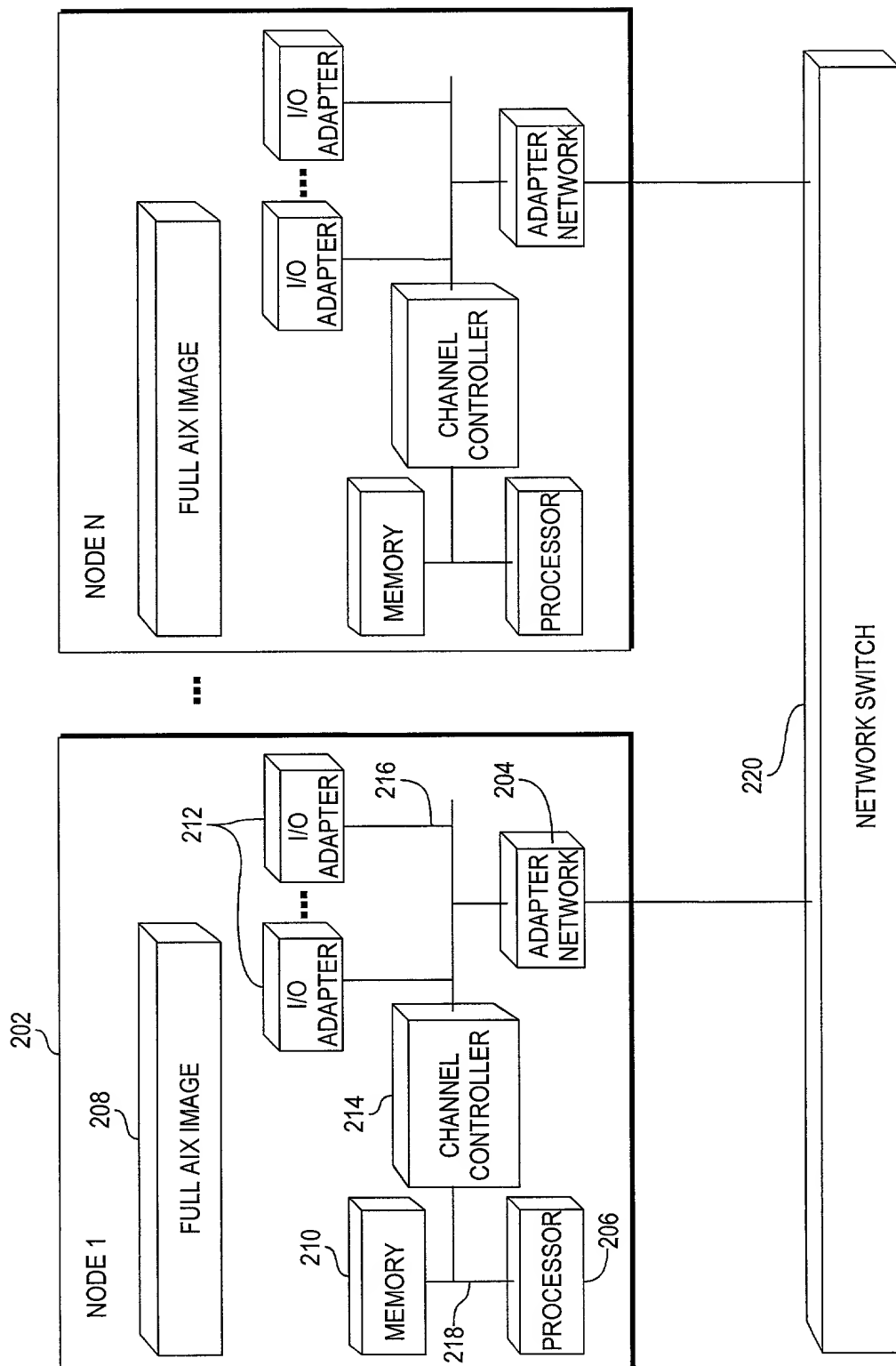


FIG. 2

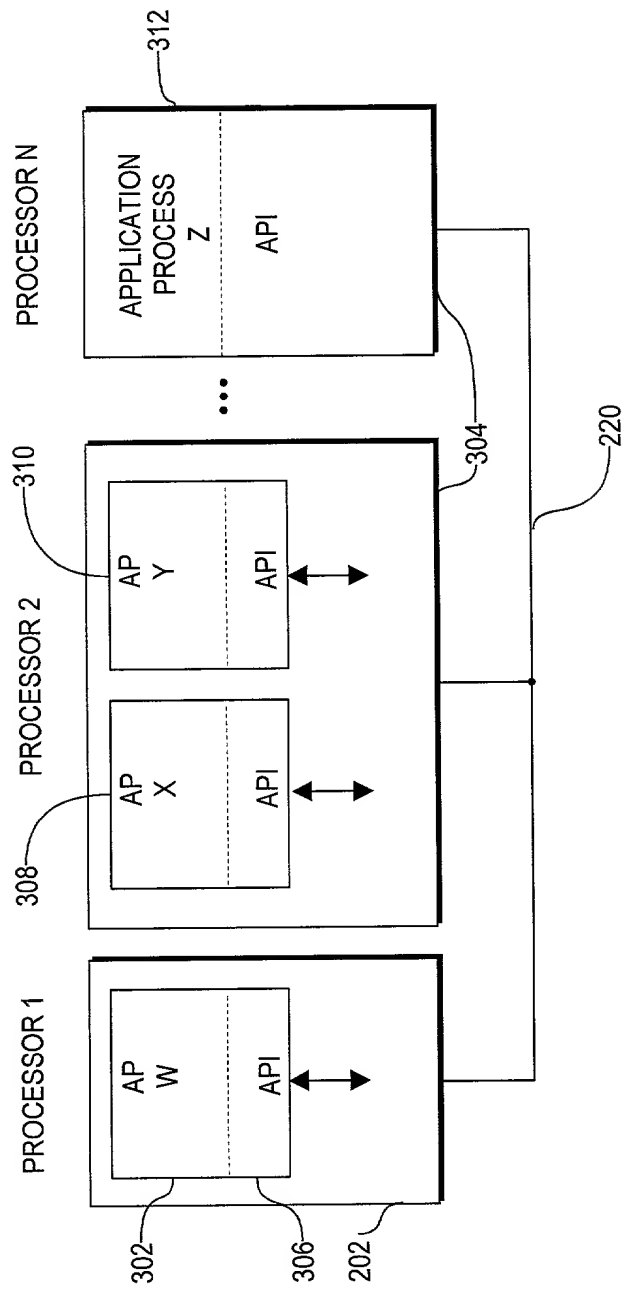


FIG. 3

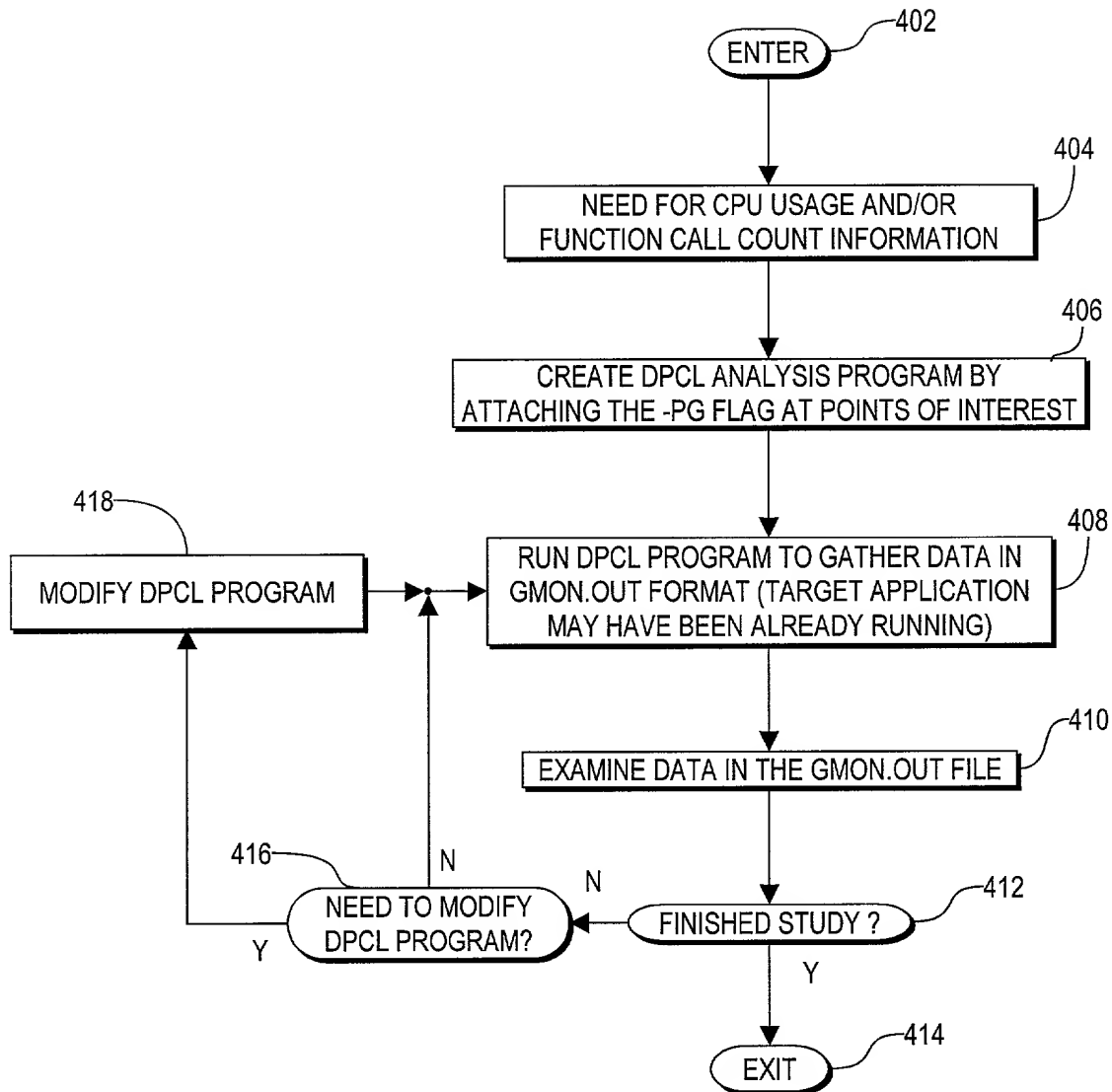


FIG. 4A

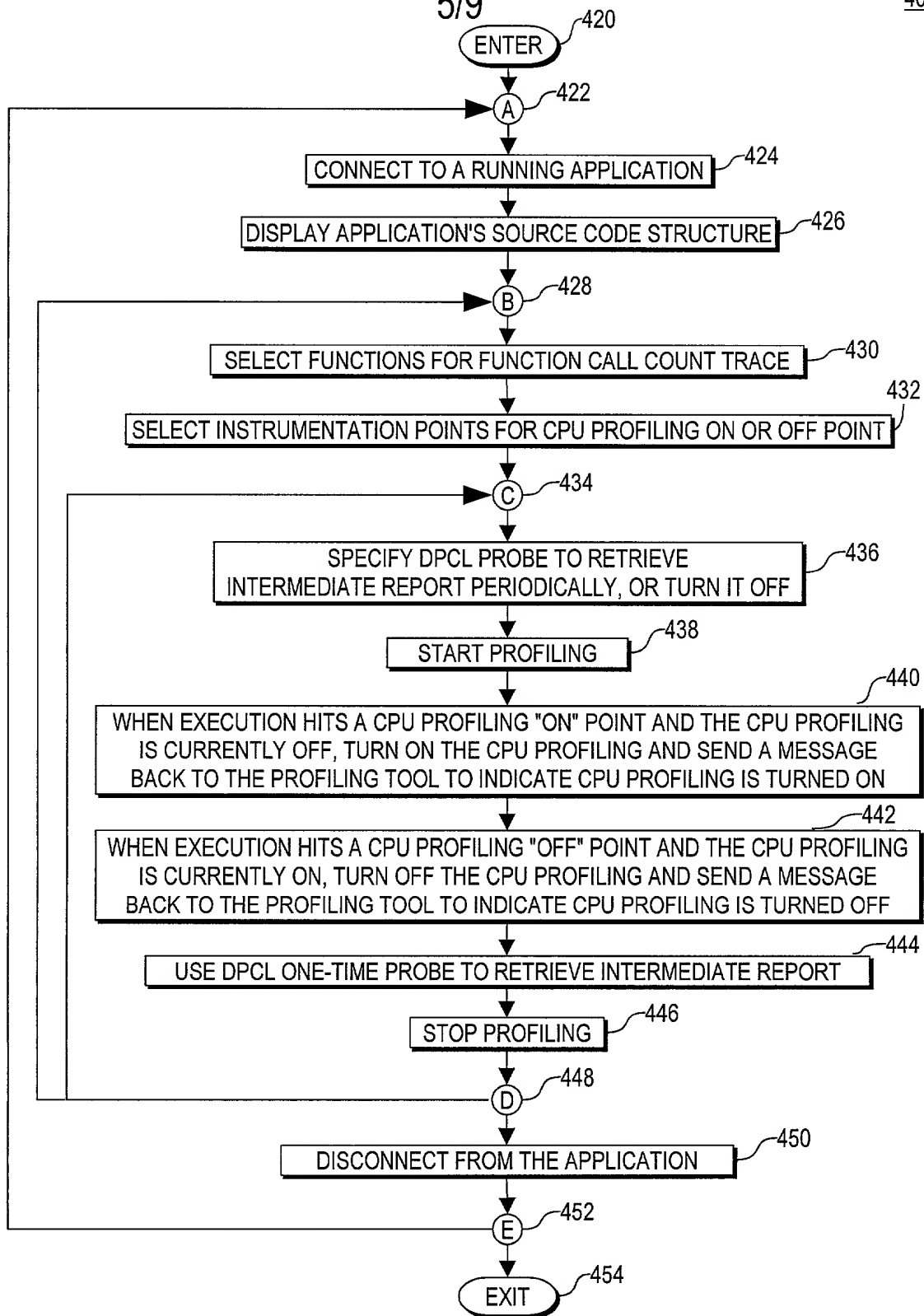


FIG. 4B

504	506	508	510	512	514
Name	%Time	Seconds	Cumsecs	#Calls	msec/call
.main	32.6	17.63	17.63	1	17630.
.___mcount	28.2	15.25	32.88		
.mod8	16.3	8.82	41.70	8990000	0.0010
.mod9	9.9	5.38	47.08	6160000	0.0009
.cos	2.9	1.57	48.65	1920000	0.0008
.exp	2.4	1.32	49.97	930000	0.0014
.log	2.4	1.31	51.28	930000	0.0014
.mod3	1.9	1.01	52.29	140000	0.0072
.sin	1.2	0.63	52.92	640000	0.0010
.sqrt	1.1	0.59	53.51		
.atan	1.1	0.57	54.08	640000	0.0009
.pout	0.0	0.00	54.08	10	0.0
.exit	0.0	0.00	54.08	1	0.
.free	0.0	0.00	54.08	2	0.
.free_y	0.0	0.00	54.08	2	0.

FIG. 5

FIG. 6

granularity: each sample hit covers 4 bytes Time: 62.85 seconds									
index	%time	self	descendents	called/total		name	parents	index	children
				called	total				
[1]	19.44	64.6	21.18	1/1		__start	[2]		
	19.44		21.18	1		.main	[1]		
	8.89		0.00	8990000	8990000	.mod8	[4]		
	5.64		0.00	6160000	6160000	.mod9	[5]		
	1.58		0.00	930000	930000	.exp	[6]		
	1.53		0.00	1920000	1920000	.cos	[7]		
	1.37		0.00	930000	930000	.log	[8]		
	1.02		0.00	140000	140000	.mod3	[10]		
	0.63		0.00	640000	640000	.atan	[12]		
	0.52		0.00	640000	640000	.sin	[14]		
	0.00		0.00	10/10		.pout	[27]		
	<spontaneous>								
	64.6	0.00	40.62			__start	[2]		
	19.44		21.18	1/1		.main	[1]		
	0.00		0.00	1/1		.exit	[37]		

Granularity: each sample hit covers 4 bytes Total time: 62.85 sec.

% time	cumulative seconds	self seconds	calls	self ms/call	total ms/call	name
30.9	19.44	19.44	1	19440.00	40620.00	.main [1]
30.5	38.61	19.17				._mcount [3]
14.1	47.50	8.89	8990000	0.00	0.00	.mod8 [4]
9.0	53.14	5.64	6160000	0.00	0.00	.mod9 [5]
2.5	54.72	1.58	930000	0.00	0.00	.exp [6]
2.4	56.25	1.53	1920000	0.00	0.00	.cos [7]
2.2	57.62	1.37	930000	0.00	0.00	.log [8]
2.0	58.88	1.26				.qincrement [9]
1.6	59.90	1.02	140000	0.01	0.01	.mod3 [10]
1.2	60.68	0.78				._stack_pointer [11]
1.0	61.31	0.63	640000	0.00	0.00	.atan [12]
0.9	61.89	0.58				.qincrement1 [13]
0.8	62.41	0.52	640000	0.00	0.00	.sin [14]
0.7	62.85	0.44				.sqrt [15]
0.0	62.85	0.00	180	0.00	0.00	.fwrite [16]
0.0	62.85	0.00	180	0.00	0.00	.memchr [17]

FIG. 7



FIG. 8

Index by function name		
[18].__flsbuf	[37].exit	[5].mod9
[34].__ioctl	[6].exp	[43].moncontrol
[20].__mcount	[39].expand_catname	[44].monitor
[3].__mcount	[32].free	[22].myecvt
[23].__nl_langinfo_std	[33].free_y	[28].nl_langinfo
[11].__stack_pointer	[16].fwrite	[27].pout
[24].__doprnt	[40].getenv	[29].printf
[35].__findbuf	[41].ioctl	[9].qincement
[19].__flsbuf	[42].isatty	[13].qincement1
[36].__wrtchk	[8].log	[45].saved_category
[25].__xflsbuf	[1].main	[46].setlocale
[26].__xwrite	[17].memchr	[14].sin
[12].atan	[21].mf2x2	[31].splay
[38].catopen	[10].mod3	[15].sqrt

FIG. 8